

MIHALIK, Bela; KATONA, Tibor

Electric liquid detecting device and its use in automatic control. Magyar textil 16 no. 3:117-119 Apr '64.

1. Fine Cloth Enterprise (for Mihalik). 2. Hungarian Cloth Factory (for Katona).

KATONA, T.

"Highly Sensitive Amateur Superreceiver. (To Be Contd.)", P. 102,  
(RADIOTECHNIKA, Vol. 4, No. 5, May 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,  
Dec. 1954, Uncl.

KATONA, T.

"Highly Sensitive Amateur Superreceiver", P. 127, (RADIOTECHNIKA, Vol. 4, No. 6, June 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

MIHALIK, Bela; FINALY, Laszlo; KATONA, Tibor

The glued rug. Magy textil 13 no.8:346-350 Ag '61.

KATONA, Tibor; MIHALIK, Bela

Thermistors and some possibilities for their application in the textile industry. Magy textil 14 no.5:193-195 My '62.

1. Magyar Pozstogyar (for Katona). 2. Ujpesti Gyapjuszovogyar (for Mihalik).

KATONA, Tibor; MIHALIK, Bela

Automatic temperature control of electrical heating installations.  
Magy textil 14 no.8:380-381 Ag '62.

1. Magyar Posztogyar (for Katona). 2. Ujpesti Gyapjuszovogyar  
(for Mihalik).

KATONA, Z.

KATONA, Z. Hum. p. 186. RADIOTECHNICA, Budapest. Vol. 5, No. 7/8,  
Aug./July, 1955

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6 June 1956

KATONA, Z.; CSORNAI, L.

Reliable tubes. (To be contd.) p. 213. RADIOTECHNIKA, Budapest.  
Vol. 5, no. 9, Sept. 1955.

SOURCE: East European Accessions List (EEAL), LC. Vol. 5, no. 2, Feb. 1956

KATONA, Z.: CSORNAI, L.

Negative grid current. p. 282.

Vol 5, no. 12, Dec. 1955. RADIOTECHNIKA. Budapest, Hungary.

So: Eastern European Accession. Vol 5, no. 4, April 1956

KATONA, Z.

Microphonics. (To be contd.) p. 23.

RADIOTECHNIKA. (Magyar Onkentes Honvedelmi Szovetseg) Budapest.  
Vol 6, no. 2, Feb 1956.

SOURCE: EEAL, Vol 5, no. 7, July 1956.

KATONA, Z.

Microphonics. (Conclusion). p. 53.

RADIOTECHNIKA. (Magyar Onkentes Honvedelmi Szovetseg) Budapest.  
Vol 6, no. 3, Mar 1956.

SOURCE: EEAL, Vol 5, no. 7, July 1956.

KATONA, Z.; CSORNAI, L.

Secondary emission. (To be contd) p. 111 RADIOCHNIKA  
Budapest Vol. 6, No. 5, May 1956.

SOURCE: East European Accessions List, (EEAL) Library  
of Congress, Vol. 5, No. 8, August, 1956.

KATONA, Z.

Secondary emission. p. 130.  
RADIOTECHNIKA. (Magyar Onkentes  
Honvedelmi Szovetseg) Budapest.  
Vol. 6, no. 6, June 1956.

SOURCES: EEAL - LC Oct. 1956. Vol. 5 No. 10

KATONA, Z.; CSORNAI, L.

Two interesting types of tubes. p. 40. (Radiotechnika, Vol. 7, No. 2, Apr 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

KATONA, Zoltan

Electronics in the service of medicine. (To be cor:td) Radiotechnika  
11 no.6:162-164 Je '61.

KATONA, Zoltan

Electronics in the service of medicine.II.(To be contd.) Radiotechnika  
11 no.8:230-232 Ag '61.

KATONA, Zoltan

Electronics in the service of medicine. Radiotechnika  
11 no.11:346-347 N '61.

KATONA, Zoltan

Electronics in the service of medicine. (Conclusion).  
Radiotechnika 12 no.3:89 Mr '62.

KATONA, Zoltan

Electronics in the service of medicine. Radiotechnika  
11 no.9:278 S '61.

KATONA, Zoltan

Transistor phonendoscope; electronics in medicine. Radiotechnika  
12 no.10:331 Q '62.

KATONA, Zoltan

Audiometers for measuring the power of hearing. Radiotechnika  
12 no.10:342 0 '62.

KATONA, Zoltan

Diagnosis by thermometer. Elet tud 17 no.47:1492-1495  
25 N '62.

~~KATONA, Zoltan~~

Puzzle contest of "Radiotechnika". Radiotechnika 13 no.7:  
273 J1 '63.

1. "Radiotechnika" rovatvezetoja.

KATONA, Zoltan

Puzzles of "Radiotechnika." Radiotechnika 13 no.8:309 Ag '63.

1. "Radiotechnika" rovatvezetoje.

KATONA, Zoltan

Puzzle contest of "Radiotechnika." Radiotechnika 13 no.9:355  
S '63.

KATONA, Zoltan

Puzzle contest by "Radiotechnika." Radiotechnika 13 no.10:  
380 0 '63.

1. "Radiotechnika" rovatvezetoje.

KATONA, Zoltan

Puzzles of "Radiotechnika." Radiotechnika 13 no.12:476 D '63.

1. "Radiotechnika" rovatvezetoje.

KATONA, Zoltan

Heartbeats -- by lifesaving apparatus. Elet tud 18 no.1:23-26 6  
Ja '63.

KATONA, Zoltan, elektromernok

What are the component parts of a heart stimulator which can be placed in the organism, and how does it function? Elet tud 18 no.37:1158 15 S '63.

KATONA, Zoltan

Diagnosis by means of machines. Pt.1. Elet tud 18 no.49:  
1559-1562 8 D'63

KATONA, Z.; CHANTSEVA, V. [translator]

Medical electrical thermometers. Nauka i zhizn' 30 no.5:17-18,  
My '63. (MIRA 16:10)

KATONA, Zoltan

Puzzles of "Radiotechnika." Radiotechnika 14 no.1:34 Ja '64.

1. "Radiotechnika" rovatvezetoje.

KATONA, Zoltan

Puzzles by "Radiotechnika". Radiotechnika 14 no.2:74-75 F'64.

1. "Radiotechnika" rovatvezetoje.

KATONA, Zoltan

Diagnosis by means of machines.Pt.2. Klet tud 19 no.2:62-66  
10 Ja'64.

KATONA, Zoltan

Blood pressure measurement. Elet tud 19 no.12:564-566 20 Mr '64.

KATONA, Zoltan, SZMESKO, Janos

Pulse measurement by electronic method. Meres automat 12  
no.4/5:151-155, 162 '64.

1. MEDICOR Works.

CSORNAI, Laszlo; KATONA, Zoltan

Symbolic representation of the states and processes of  
electronic circuits. Meres automat 12 no.4/5:169-172  
'64.

1. United Incandescent Lamp and Electricity Company,  
Budapest (for Csornai). 2. MEDICOR Works (for Katona).

KATONA, Zoltan

Automatic oscilloscope. Radiotechnika 14 no. 5:177 My '64.

KATONA, Zoltan

Puzzles by "Radiorushnika." Radiotekhnika 14 no.9:354 S '64.

KATONA, Zoltan

Puzzles by "Radiotechnika". Radiotechnika 14 no.10:377 0 '64.

KATONA, Zoltan

Puzzles by "Radiotechnika." Radiotechnika 14 no.12:460 D '64.

KATONA, Zoltan

Puzzles by "Radiotechnika." Radiotechnika 15 no.1:26 Ja '65.

KATONA, Zoltan

Puzzles by "Radiotechnika." Radiotechnika 15 no.4:147 Ap '65.

KATONA, Zoltan

Puzzles by "Radiotechnika." Radiotechnika 5 no.5:187 Mr '65.

KATONA, Zoltan

Puzzling contest by "Radiotechnika." Radiotechnika 15 no.2:  
74-75 F '65.

KATONA, Zoltan

Puzzles by "Radiotechnika." Radiotechnika 15 no.3:107 Mr '65.

KATONA, Zoltan

Puzzles of "Radiotechnika." Radiotechnika 15 no.6:231 Je '65.

KATONA, Zoltan

Puzzles by "Radiotechnika." Radiotechnika 15 no.7:279-280 J1 '65.

KATONA, Zoltan

Cooling by semiconductors. Radiotechnika 15 no.7:247-249 J1 '65.

KATONAI, Bela  
SURNAME, Given Names

Country: Rumania

Academic Degrees:

Affiliation: Department of Surgical Anatomy-Medicino (Catedra de Anatomie-Medicina Operatorie), Tg. Mures; Department Head: Tiberiu MAROS, -Conf.-, and Department of Analytical Chemistry (Catedra de Chimie-Analitica), Tg. Mures; Department Head: Paul SOOS, -Conf.- of the Medico-Pharmaceutical Institute (Institutul Medico-Farmaceutic), Tg. Mures.

Source: Bucharest, Iziena, Vol IX, No 4, Sep-Oct 1961, pp 333-337.

Data: "A Stimulating Factor of Hepatic Regeneration in a Coal Mine."

Authors:

MAROS, Tiberiu, -Conf.- (lecturer)  
CSIKY, Nicolae, -Dr.-  
FEJER, Ladislau, -Dr.-  
KOVACS, Virginia V., -Dr.-  
BLAZSEK, Agneta, -Chemist.-  
KATONAI, Bela, -Dr.-

GPO 981643 157

MAROS, T., prof.; SERES-STURM, L., dr.; KIFOR, I., chim; KATONAI, B., dr.

Changes in bromsulphalein clearance during liver regeneration.  
Med. intern. (Bucur) 17 no.2:219-222 F'65.

1. Incrare efectuata la Catedra de anatomie umana (sef de catedra: prof. T. Maros) si Clinica I medicala (sef de catedra: prof. P. Doczy) Institutul medico-farmaceutic, Tirgu Mures.

MAROS, Tibor; KATONAI, Bela; KOVACS, V. Ibolya

Effect of aqueous extracts of *Melilatus officinalis* on the regenerating liver. Kiserl. orvostud. 14 no.3:314-320 Je '62.

1. Marosvasarhelyi (Tirgu-Mures, R.N.K.), Orvosi es Gyogyszereszeti Intezet Anatomiiai es Sebészeti Műtettani Tanszeke.

(LIVER pharmacol) (REGENERATION pharmacol)

(PLANTS MEDICINAL extracts)

*KATONAI, BELLA*

ROMANIA

MAROS, Tiberiu, Professor; PACZ, Ludovic, MD; ARDELEANU, Gh., MD;  
KATONAI, Bella, MD; KOVACZ, Virginia, MD.

1. Department of Anatomy and Occupational Medicine of the  
Institute of Medicine in Tirgu Mures (Catedra de Anatomie  
si Medicina Operatorie a Institutului de Medicina din  
Tg. Mures); Head of Department: Professor Tiberiu Maros;  
- (for all); 2. and the Sanepid of Cimpina Raion  
(Sanepidul raional din Cimpina); Director: Dr. Gh.  
Ardeleanu (for Ardeleanu).

Bucharest, Igiena, Vol XII, No 1, Jan-Feb 63, pp 39-44.

- "Investigations concerning the Action of Brown Coal Dust from  
the Coal Basin of Ploiesti Regiune on Hepatic Regeneration."

(5)

MAROS, Tiberiu, prof.; KATONAI, Bela, dr.; KOVACS, Virginia, dr.

Research on the influence of some antibiotics on the regenerative capacity of the hepatic parenchyma. Med. intern. (Bucur.) 10 no.5: 601-604 My'64

1. Lucrare efectuata la Catedra de anatomie si medicina operatorie I.M.F. [Institutul medico-farmaceutic], Tirgu Mures.

KHRISTICH, A.D., prof. (Dnepropetrovsk 10, ul. Chekistov, d.3-a)  
KATONIN, K.I.

Regeneration of femoral bone tissue following transplantation  
of an extremity; preliminary report. Ortop. travm. i protez.  
24 no.2:18-21 F\*63. (MIRA 16:10)

1. Iz kafedry khirurgii detskogo vozrasta s detskoy orto-  
pediyey (zav. - prof. A.D.Khristich) Dnepropetrovskogo me-  
ditsinskogo instituta (rektor - doktor meditsinskikh nauk  
N.Ya. Khoroshmanenko).

\*

KATONIN, V.A.

Use of vinyl chloride for reconstruction of tendon sheaths.

Vest.khir. no.3:78-80 '62.

(MIRA 15:3)

1. Iz 2-y gosptal'noy khirurgicheskoy kliniki (nach. -- prof.  
Ye.V. Smirnov) Voenno-meditsinskoy ordena Lenina akademii  
im. S.M. Kirova.

(TENDONS--SURGERY)

(ETHYLENE)

KORENDYASEV, M.A., kand.med.nauk, podpolkovnik med.sluzhby; KATONIN, V.A.

Alloplasty of the tendons. Voen.-med. zhur. no. 2:58-59 F '61,  
(MIRA 14,2)

(TENDONS—SURGERY)

KATONINA, S. P., Cand. Med. Sci.,— (diss) "Certain indices of the metabolism of vitamins B, and B<sub>2</sub> in well newly-born and in children born in asphyxia," Dnepropetrovsk, 1961, 13 pp (Dnepropetrovsk State Medical Institute) 200 copies (KI-Supp 9-61, 190)

GUZENKO, T.G. [Huzenko, T.H.], kand. arkhitektury; LARKINA, O.M., arkh.; RODICHKIN, O.M. [Rodychkin, O.M.], kand. arkh.; SALATICH, A.K. [Salatych, A.K.], kand. arkh.; SVIDERSKIY, V.M. [Sviders'kyi, V.M.], kand. arkh.; SEVERIN, S.I., arkh.; RUBTSOV, L.I., doktor biol. nauk, prof.; PLOTNIKOVA, T.V., kand. biol. nauk; KATONINA, Ye.I., doktor arkh., prof., red.; ZASLAVSKAYA, T.M. [Zaslavs'ka, T.M.], red.; KIYANICHENKO, N.S. [Kyianyichenko, N.S.], red.; USHCHEKO, N.S., red.; ZELENKOVA, Ye.Yu., tekhn. red.; BABIL'CHANOVA, G.O. [Babil'chanova, H.O.], tekhn. red.

[Flowers in city landscaping] Kvitkove oformlennia mist'; al'bom. Kyiv, Derzhbudvydav URSR, 1962. 158 p. (MIRA 17:1)

1. Akademiya budivnytstva i arkhitektury URSR. Instytut misto-  
budivnytstva. 2. Sotrudnik sadovo-parkovogo khozyaystva No.3  
goroda Kiyeva (for Plotnikova), 3. Zaveduyushchiy dendrolo-  
gichnym otделom Tsentral'nogo respublikanskogo botanicheskogo  
sada AN Ukr.SSR (for Rubtsov).

AFANAS'YEV, N.V.; IL'IN, A.S.; KATONOV, P.A.

Investigating the performance of a slinger head with a  
tangential sand mixture feed. Sbor. trud. BITM no.22:  
62-66 '64. (MIRA 18:6)

*Katonov, V.A.*

BEZHANOV, B.N.; BUSHUNOV, V.T.; SHAUMYAN, G.A., doktor tekhn.nauk, prof.,  
retsenzent; ~~KATONOV~~, V.A., dots, retsenzent; GARBARUK, V.N., kand.  
tekhn.nauk, nauchnyy red.; TKALICH, A.G., re.; DLUGOKANSKAYA, Ye.A.,  
tekhn.red.

[Industrial automatic machines; theory and design] Proizvodstvennye  
mashiny-avtomaty; teoriia i raschet. Moskva, Gos.nauchno-tekhn.  
izd-vo mashinostroit. i sudostroit. lit-ry, 1953. 368 p. (MIRA 11:2)  
(Machinery, Automatic)

KATONOVA, L.N.

Materials on the burrowing activity and tagging of moles in  
Moscow Province. Uch. zap. MGPI no.227:301-306 '64.  
(MIRA 18:11)

KATOR, L. (Budapest, XI., Bertalan Lajos u.7)

Judging the phenomenon of brittle fracture caused by grain coarsening on the basis of fracture work. Periodica polytechnica eng 7 no.4:343-354 '63.

1. Department of Mechanical Technology, Polytechnical University, Budapest. Presented by Prof. Dr. L. Gillemot.

KATORGIN, Ivan Ivanovich, kand.istor.nauk; PETROV, S.M., prof., red.;  
KOSUL'NIKOV, A.P., kand.istor.nauk, red.; SHITOV, M.F., kand.  
istor.nauk, red.; RATNER, V.I., red.; NAUMOV, K.M., tekhn.red.

[Postwar struggle of the Communist Party for the reconstruction  
and development of the national economy, 1945-1953. Theme 16.]  
Bor'ba Kommunisticheskoi partii za vosstanovlenie i razvitie  
narodnogo khoziaistva v poslevoennye gody, 1945-1953 gg.; tema  
XVI. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1959. 90 p.

(MIRA 13:6)

(Communist Party of the Soviet Union) (Reconstruction)

KHIL'CHENKO, Lev Nikolayevich; SMOLENSKIY, Aleksey Nikolayevich;  
ARUTYUNOV, M.A., inzh., retsenzent; KATORGINA, L.A., inzh.,  
retsenzent; KONDAK, N.M., kand.tekhn.nauk, red.; MAYEVSKIY,  
V.V., inzh., red.; GORNOSTAYPOL'SKAYA, M.S., tekhn.red.

[Steam turbine control] Regulirovanie parovykh turbin. Moskva,  
Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 272 p.  
(MIRA 14:2)

(Steam turbines)

EXCERPTA MEDICA Sec.12 Vol.12/5 Ophthalmology May 58

~~KATORGINA O.A.~~

863. TREATMENT OF EARLY SENILE CATARACT BY BLOOD TRANSFUSION

(Russian text) - Katorgina O. A. - ZH. OFTALM 1956, 5 (298-302)

Observations were made on 66 patients with early senile cataract; their ages ranged from 51 to 66 yr. Blood transfusion was given to 50 patients in the out-patient department and to 16 in the wards. Each patient received 60-100 ml. of blood with intervals of 7 days (up to 5 transfusions). A rise of visual acuity by 0.5-0.8 was noted in 17 patients, by 0.1-0.4 in 40 patients, and by 0.02-0.09 in 6. No changes were observed in 3 patients. The best results were observed in limited cortical cataract. The use of this method proved to be little effective in cases of diffuse nuclear and mixed cataract.

(S)

KATORGINA O

EXCERPTA MEDICA Sec.12 Vol.11/4 Ophthalmology Apr57

684. KATORGINA O.\*The classification of senile incipient cataract (Russian text) VESTN.OFTAL.1956, 4 (30-35) Tables 1 illus.3 The author examined 102 eyes with incipient forms of cataract and classified them clinically as limited, advanced and mixed. The anatomical division was into cortical, nuclear and subcapsular cataract. The appearance of these forms of cataract as examined with the slit lamp and focal illumination are described. In the majority of the patients there was cortical cataract. Photographs illustrate the various forms of cataract.

Sitchevska - New York, N.Y.

*Clinic of Eye Diseases  
L'viv Med. Inst.*

RODIGINA, A.M., professor; KATORGINA, O.A., assistant

Report on the work of the Lvov Ophthalmological Society for  
1956. Oft.zhur. 12 no.5:316-317 '57. (MIRA 13:6)

1. Predsedatel' L'vovskogo nauchnogo obshchestva glaznykh  
vrachey (fro Rodigina). 2. Sekretar' L'vovskogo nauchnogo  
obshchestva glaznykh vrach (for Katorgina).  
(LVOV--OPHTHALMOLOGICAL SOCIETIES)

EXCERPTA MEDICA Sec 12 Vol 13/8 Ophthalmology Aug 59

1180. SOME BIOCHEMICAL INDICES OF THE AQUEOUS HUMOUR OF THE ANTERIOR CHAMBER OF THE EYE OF ANIMALS BEFORE AND AFTER BLOOD TRANSFUSION (Russian text) - Katorgina O. A. - OFTALM. ZH. 1957, 5 (299-301)

Investigations on 39 adult dogs showed that the quantity of aqueous humour of the anterior chamber varies from 0.4 to 0.7 ml.; the pH of the aqueous humour is 7.3; the average quantity of total nitrogen 98.4 mg./100 ml.; the average index of protease activity in the aqueous humour before blood transfusion was equal to 15 ml. of split 0.1% casein; after blood transfusion this index was increased after 24 hr. to 57.5 ml.; at 48 hr. it amounted to 38 ml.

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EXCERPTA MEDICA Sec 12 Vol 13/8 Ophthalmology Aug 59

1223. EXENTERATION OF THE ORBIT WITH SIMULTANEOUS PROSTHETIC  
SUBSTITUTION (Russian text) - Katorgina O. A. - VESTN. OFTAL.  
1958, 2 (42-44) illus. 2

Exenteration of the orbit effected by existing methods is a mutilating operation with a long period of healing (3-4 months). Subsequent plastic surgery aimed at prosthetic treatment of the orbit is technically difficult. Exenteration of the orbit by the modification developed by the author preserves the conjunctival cavity which permits prosthetic treatment without additional plastic surgery. The healing period is reduced to 3 weeks. Indications for exenteration of the orbit with simultaneous prosthesis are intraocular tumours situated in the posterior chamber of the eye and with manifestations of secondary glaucoma, as well as tumours situated deep within the orbit.

KATORGINA, O.A., kand.med.nauk

Some biochemical indexes of the humor of the camera oculi anterior in animals before and after blood transfusion. Oft.zhur. 12 no.5: 299-301 '57. (MIRA 13:6)

1. Iz kliniki glaznykh bolezney L'vovskogo meditsinskogo instituta (sav. - prof. A.M. Bodigina) i iz biokhimicheskoy laboratorii Instituta neotlozhnoy khirurgii i perelivaniya krovi (nauchnyy rukovoditel' - prof. I.I. Fedorov).  
(AQUEOUS HUMOR) (BLOOD--TRANSFUSION)

KATORGINA, O.A., kand.med.nauk

Eye injuries in children and their prevention. Oft.zhur. 13 no.  
1:19-22 '58. (MIRA 11:4)

1. Iz kafedry glaznykh bolezney (zav.-prof. A.M.Rodigina) L'vovskogo  
meditsinskogo instituta.  
(EYE--WOUNDS AND INJURIES)

RODIGINA, A.N., prof.; KATORGINA, O.A., assistant.

Report on the work of the Lvov Ophthalmologic Society for 1957. Oft.  
zhur. 13 no.6:380-382 '58. (MIRA 12:1)

1. Predsedatel' pravleniya L'vovskogo oftal'mologicheskogo obshchestva  
glaznykh vrachey (for Rodigina). 2. Sekretar' pravleniya L'vovskogo  
oftal'mologicheskogo obshchestva glaznykh vrachey (for Katorgina).  
(LVOV--OPHTHALMOLOGIC SOCIETIES)

KATORGINA, O.A., kand.med.nauk

Exenteration of the orbit with simultaneous prosthetic substitution.  
Vest. oft. 71 no.2:42-44 Mr-Apr '58. (MIRA 11:4)

1. Klinika glaznykh bolezney (zav.-prof. A.M. Rodigina) L'vovskogo  
meditsinskogo instituta.

(ORBIT, surg.

exenteration with simultaneous placement of artif. eye)

(EYE, artificial

insertion immediately after total exenteration of orbit)

RODIGINA, A.M., prof.; KATORGINA, O.A., assistant

Report of the Lvov Ophthalmological Society for 1958. Oft.  
zhur. 14 no.4:252-253 '59. (MIRA 12:10)

1. Predsedatel' pravleniya L'vovskogo oftal'mologicheskogo  
obshchestva glaznykh vrachey za 1958 god (for Rodigina).
  2. Sekretar' L'vovskogo oftal'mologicheskogo obshchestva glaznykh  
vrachey za 1958 god (for Katorgina).
- (LVOV--OPHTHALMOLOGICAL SOCIETIES)

KATORGINA, O.A., kand.med.nauk

Statistics on eye tumors. Oft. zhur. 15 no.3:145-148 '60.

(MIRA 14:5)

1. Iz kafedry glaznykh bolezney (zav. - prof. A.M.Rodigina)

L'vovskogo meditsinskogo instituta.

(EYE—TUMORS)

100-000000-1-1000

PETRUNOV, S.; PENEV, P.D.; DANEV, Kh.P.; VUTKOV, L.P.; KATOROSHEV, T.Khr.

Treatment of chronic gingivitis and amphotomosis with PAS and RS.  
Stomatologia, Sofia no.2:17-21 1955.

(GINGIVITIS, therapy,  
pectins)

(PERIODONTIUM, diseases,  
ther., pectins)

(PECTINS, therapeutic use,  
gingivitis & periodontitis)

KATOROVICH, B. V.

Inflammable Liquids

Theory of heterogenic combustion and gasification of a stream of fuel. Dokl.. AN  
SSSR 89, No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

KATOROVICH, L. V.

30140

O diffyeryendia-l'nykh uraunyenyakh vida x<sup>n</sup> (x). Trudy matyem. in-ta  
im. styeklova, T. XXVIII, 1949, C.148-51

SO: LETOPIS' NO. 34



Katorzhnov, N.D.

2  
SCV/BI-59-10-37163

Translation from: Referativnyi zhurnal. Khimiya, 1959, Nr 10, p 536 (USSR)

AUTHORS: Khait, E.V., Prokof'ev, A.S., Labeleva, A.I., Kachanyuk, Yu.K., Golubeva, Ye.I., Katorzhnov, N.D.

TITLE: Continuous Process of Manufacturing Polycaprolactam

PERIODICAL: Vestn. tekhn.-ekon. inform. Mashinost. labor. tekhn.-ekon. issled. i nauchno-tekhn. inform. N.-i. fis.-khim. in-ta im. L.Ya. Karpova, 1959, Nr 5 (10), pp 16-18

ABSTRACT: As a result of the analysis of caprone resin (determination of the content of low-molecular compounds, viscosity of the solution and the melt), which has been obtained in the continuous polymerization of  $\epsilon$ -caprolactam in direct-flow (of the VK-pipe type) and in three-type (of the U-pipe type) apparatuses at 260°C in the presence of 40 salt of 3 - 5% of the monomer weight, it has been found that a polymer with uniform physical-chemical properties is obtained only in apparatuses of the U-pipe type. The method of continuous polymerization of caprolactam in this apparatus can be recommended for the industrial manufacture of caprone resin.

Card 1/1

A. Volchkina

KATORZHNOV, N.D.; PROKOF'YEVA, A.S.; KUPINSKIY, R.V.; SHISHKIN, P.M.  
~~DVORNIISKIY, G.S.; NOVIKOV, N.A.~~

Technological layout for the continuous production line of capron  
staple fiber. Khim.volok. no.3:11-15 '59. (MIRA 12:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut isskusstvennogo  
volokna (VNIIV).

(Nylon)

KUDRYAVTSEV, G.I.; KATORZHNOV, N.D.; KHUTIKOVA, A.D.

Fraction composition of polyamides obtained by the polycondensation method. Khim.volok. no.3:16-18 '59.

(MIRA 12:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna (VNIIV).

(Amides)

KUDRYAVTSEV, G.I.; KATORZHNOV, N.D.; KRUTIKOVA, A.D.

Studying the process of polymerization of caprolactam by the  
fractionation of polymers. Report No.4 Khim.volok. no.4:  
10-12 '59. (MIRA 13:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo  
volokna.

(Hexamethylenimine) (Polymerization)

5(3)

SOV/80-32-3-28/43

AUTHORS: Katorzhnov, N.D., Strepikheyev, A.A.

TITLE: The Effect of the Average Molecular Weight of a Polymer on the Rate of Caprolactam Formation at Thermal Depolymerization of Unstable Polycaprolactam. (Vliyaniye srednego molekulyarnogo vesa polimera na skorost' obrazovaniya kaprolaktama i termicheskoy depolimerizatsii nestabilizovannogo polikaprolaktama) Communication I

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol XXXII, Nr 3, pp 625-628 (USSR)

ABSTRACT: The production of synthetic fibers from polycaprolactam is gaining in importance. The reaction rates of thermal depolymerization of unstable polycaprolactam, i. e., containing free functional amino- and carboxyl- groups at the ends of the macromolecules, is investigated here. The depolymerization in the presence of 0.037 and 0.74% of water is inversely proportional to the molecular weight of the initial polymer. The increase of the water content in the polymer and

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The Effect of the Average Molecular Weight of a Polymer on the Rate of Caprolactam Formation at Thermal Depolymerization of Unstable Polycaprolactam

of the temperature also accelerates the depolymerization of polycaprolactam.

There are 3 graphs and 3 Soviet references.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna (All-Union Scientific Research Institute of Artificial Fiber)

SUBMITTED: August 16, 1957

Card 2/2

S/183/60/000/02/12/025  
B004/B005

AUTHORS: Kudryavtsev, G. I., Katorzhnov, N. D., Krutikova, A. G.

TITLE: Investigation of the Fractional Composition of Polycaprolactam

PERIODICAL: Khimicheskiye volokna, 1960, No. 2, pp. 30 - 33

TEXT: This is the 5th information of the series "Investigation of Polymerization of Caprolactam". It was the object of the present paper to check the influence of the end group on the fractional composition of polycaprolactam as predicted by A. A. Strepikeyev (Ref. 2). Caprolactam was polymerized by addition of water as an activator, and acetic acid or cyclohexylaminacetate as a stabilizer. Polymerization took place in nitrogen-filled phials (Table). The results are shown in Figs. 1,2. The fractional composition of the caprolactam polymerizate of a mean polymerization degree (65-150) obtained at equal temperature is independent of the type of the end group (amine-, carboxyl-, acetamide-, or alkylamide group). The fractional composition of the polymers obtained at equal temperature is a function of the polymerization degree. The lower it is, the more homogeneous is the composition. A homogeneous polymerizate cannot be produced by usual methods.

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Investigation of the Fractional Composition of  
Polycaprolactam

S/183/60/000/02/12/025  
B004/B005

The authors mention papers by V. V. Korshak and S. Ye. Bresler (Ref. 6) and  
A. V. Volokhina (Ref. 11). There are 2 figures, 1 table, and 11 references,  
5 of which are Soviet. ✓

ASSOCIATION: VNIIV (All-Union Scientific Research Institute of Synthetic  
Fibers)

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*KATORZHNOV, N.D.*

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S/183/60/000/03/02/007  
B020/B054

AUTHORS: Voitelev, Yu. A., Katorzhnov, N. D.

TITLE: Increase in the Thermal Stability of Polyamides by Adding  
Small Quantities of Inorganic Substances

PERIODICAL: Khimicheskiye volokna, 1960, No. 3, pp. 3-6

TEXT: In the present paper, the authors describe the effect of inorganic heat stabilizers on the thermal stability of polyamides, and mention the previously observed effect of elementary copper (in finely ground or colloidal state), inorganic compounds of mono- and bivalent copper, and organic copper compounds. They studied various procedures of adding thermostabilizers and the increase in thermal stability of polyamides with the following additions: 1) Mixture consisting of 100 parts of  $\epsilon$ -caprolactam, 4 parts of a salt of hexamethylene diamine and adipic acid, and copper or a copper compound; 2) 100 parts of polyamide consisting of 60 parts of  $\epsilon$ -caprolactam and 40 parts of a hexamethylene diamine - adipic acid salt dissolved in a mixture consisting of 285 parts by volume of alcohol and 71 parts by volume of water. After heating to

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Increase in the Thermal Stability of Polyamides S/183/60/000/03/02/007  
by Adding Small Quantities of Inorganic Sub- B020/B054  
stances

82061

70-80°, copper or a copper compound is added. The influence of additions of copper or copper compounds on the thermal stability of a polyamide film is given in Tables 1 and 2. Table 3 shows the thermal stability of polyamides stabilized with phosphorous and halide compounds. Table 4 shows the increase in thermal stability of polyamides by the addition of ternary stabilizer systems, and Table 5, by the addition of 2-mercapto benzimidazole, halide and phosphorous compounds. The authors deal with the compounds and systems most used in the individual groups, the quantities added, their effect, the influence of the polyamide type, the influence of other additions (plasticizers, fillers, resins, pigments, antioxidants, etc). Hitherto, it has not been possible to clarify the action mechanism of heat stabilizers and their consumption in the aging process of polyamides. Finally, the authors mention the use of chromium- and manganese salts as photochemical stabilizers. There are 5 tables and 11 non-Soviet references.

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Increase in the Thermal Stability of Polyamides S/183/60/000/03/02/007  
by Adding Small Quantities of Inorganic Sub- B020/B054  
stances 82061

ASSOCIATION: VNIIV (Vsesoyuznyy nauchno-issledovatel'skiy institut  
volokna " All-Union Scientific Research Institute of  
Fibers)

X

Card 3/3

S/183/60/000/004/001/005  
B004/B058

AUTHORS: Voitelev, Yu. A., Katorzhnov, N. D.

TITLE: Improvement of the Resistance of Polyamide Fibers to the Effect of Light

PERIODICAL: Khimicheskiye volokna, 1960, No. 4, pp. 3 - 7

TEXT: The authors give a survey of the existing methods of stabilizing polyamide fibers against the effect of sunlight, mainly proposed in Western publications and patents. They mention: 1) photostabilization by means of chromium salts (synthetic tanning agents, chrome dyes, potassium bichromate, chromium anthranilate, chromium fluoride). Data concerning the effect of chromium salts on the photostability of caprone fibers are compiled in Table 1. An addition of from 0.01 to 0.05% chromium salt is recommended. 2) Photostabilization by means of manganese salts (manganese salicylate, Table 2). 3) Other photostabilizers, such as aluminum salicylate, cerium oxide, organic and inorganic copper compounds (chlorides, iodides, phosphates); combinations of chromium- and manganese salts, copper- and manganese salts; surface treatment of the

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Improvement of the Resistance of Polyamide S/183/60/000/004/001/005  
Fibers to the Effect of Light B004/B058

finished fiber with such salts and the prevention of their being washed out by means of precipitation (zinc acetate + disodium phosphate). The authors emphasize the necessity of a comprehensive study of these methods. The introduction of the stabilizer into the monomeric material before polymerization or into the polymeric melt before spinning is described by them as being specially promising. There are 2 tables and 27 references: 5 Soviet, 6 US, 7 British, 6 German, 2 French, 1 Japanese, and 1 Swiss. ✓

ASSOCIATION: VNIIV (All-Union Scientific Research Institute of Synthetic Fibers)

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S/183/60/000/005/003/007  
B028/B054

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2209 only

AUTHORS:

Kudryavtsev, G. I., Katorzhnov, N. D., Voitelev, Yu. A.,  
Golubeva, Ye. V., Nenarokomov, L. S.

TITLE:

Effect of Inorganic Salts on the Heat Resistance of Caprone  
Fibers

PERIODICAL:

X  
Khimicheskije volokna, 1960, No. 5, pp. 16-20

TEXT: The present paper describes investigations carried out to increase the heat resistance of caprone fibers by additions of inorganic salts. The authors used water-soluble copper salts of nitric, citric, lactic, sulfuric, perchloric, acetic, and formic acids. 0.05 - 0.01% additions of these compounds were introduced during the polymerization of caprolactam. The authors further used 0.05-0.01% additions of water-insoluble, fatty-acid copper salts introduced into molten caprolactam. 0.25-0.5% additions of copper borate, copper phosphate, and copper chromate, as well as three-component additions, namely, copper acetate, potassium iodide, and monosubstituted sodium phosphate, were also used. It was shown that the specific viscosity reaches a maximum when adding copper stabilizers and heating the fiber to

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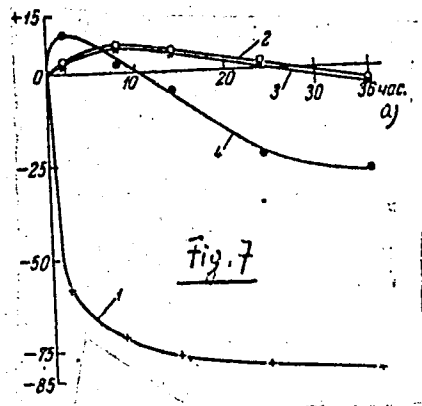
87876

Effect of Inorganic Salts on the Heat  
Resistance of Caprone Fibers

S/183/60/000/005/003/007  
B028/B054

Chelatization occurs in the lactim rather than in the lactam form.  
There are 11 figures and 13 references: 3 Soviet, 8 German, 1 US,  
2 French, and 1 British.

ASSOCIATION: VNIIV (All-Union Scientific Research Institute of Synthetic  
Fibers)



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Legend to Fig: 7: Change in resistance to tearing of caprone fiber after addition of three-component salts on heating to 180°C in air.  
Curve 1: fiber without addition; 2: with addition of 0.03% Cu acetate, 2% KI, and 0.25%  $\text{NaH}_2\text{PO}_4$ ; 3: with addition of 0.015% Cu acetate, 1% KI, and 0.25%  $\text{NaH}_2\text{PO}_4$ ; 4: with addition of 0.05% Cu acetate; a) hours

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KATORZHNOV, N.

"Manufacture of capron silk" by K. E. Fishman, N. A. ~~Khruzin~~.  
Reviewed by N. Katorzhnov. Khim. volok. no. 6:72-73 '62.  
(MIRA 16:1)

(Fishman, K. E.) (Khruzin, N. A.) (Nylon)

KATORZHNOV, N.D.; VOITELEV, Yu.A., mladshiy nauchnyy sotrudnik;  
BIBER, B.L., mladshiy nauchnyy sotrudnik

Rapid method for determining polyamide fibers. Tekst.prom.

22 no.8:72-77 Ag '62.

(MIRA 15:8)

1. Nachal'nik laboratorii Vsesoyuznogo nauchno-issledovatel'skogo  
instituta iskusstvennykh volokon (VNIIV) (for Katorzhnov).

2. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennykh  
volokon (for Voitelev, Biber).

(Textile fibers, Synthetic) (Polyamides)

VOITELEV, Yu.A., mladshiy nauchnyy sotrudnik; KATORZHNOV, N.D.

Determining the amount of heterochain fibers in blends. Tekst.  
prom. 22 no.11:72-77 N '62. (MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennykh volokon (VNIIV) (for Voitelev). 2. Nachal'nik laboratorii Vsesoyuznogo nauchno-issledovatel'skogo instituta iskusstvennykh volokon (for Katorzhnov).  
(Textile fibers, Synthetic) (Chemistry, Analytic-Quantitative)